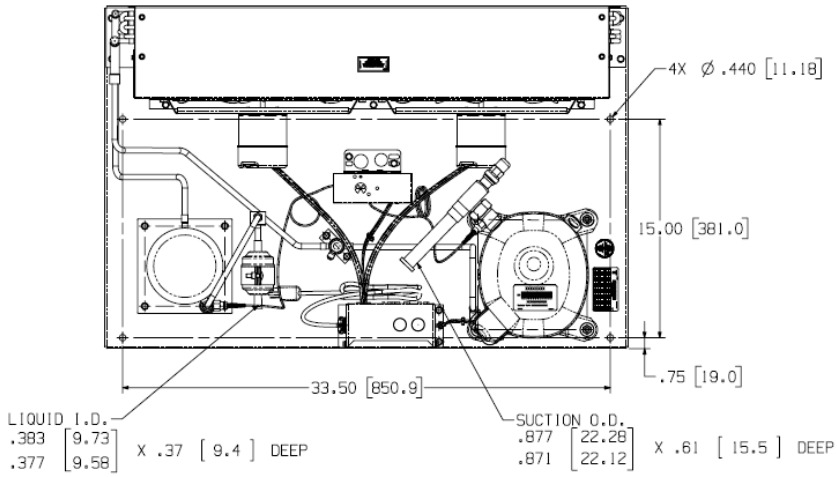
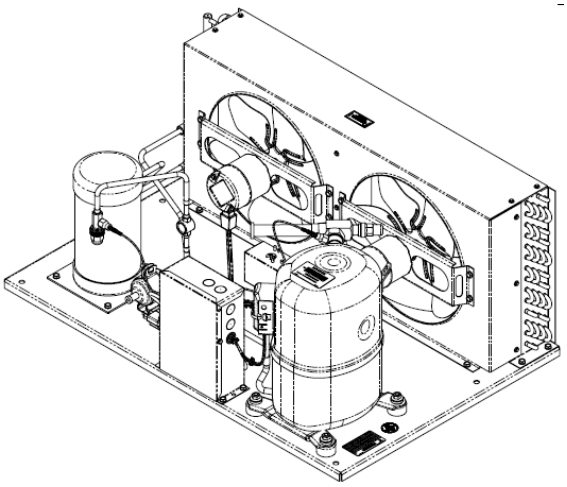
April 16, 2013

Tecumseh Compressor Company
Indoor Condensing Units

Model: AWA9514ZXNXE **BoM: 2B3273-1** **R-404A** **1.5 HP** **AIRCOOLED**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AWA9514ZXNXE	36.0	23.5	15	14.25	7/8” S	3/8” S	10.53 lbs	1200	38.5	---
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.2	7273	1385	91	6028	1379	101	4765	1337	111	3695	1248	122
-5	28.1	8487	1494	92	7130	1493	102	5811	1458	112	4575	1384	122
0	32.8	9783	1603	94	8323	1610	104	6928	1582	113	5534	1523	123
5	37.9	11162	1713	96	9606	1728	105	8116	1709	114	6571	1663	124
10	43.3	12624	1823	98	10978	1847	107	9375	1837	116	7688	1806	125
15	49.1	14168	1933	100	12441	1968	109	10705	1969	117	8883	1951	127
20	55.5	15795	2044	102	13994	2091	111	12107	2103	119	10157	2097	129
25	62.2	17505	2155	104	15637	2216	113	13579	2239	122	11509	2247	131
30	69.5	19297	2266	107	17371	2343	116	15123	2378	124	12941	2398	133
35	77.2	21171	2377	109	19194	2471	118	16738	2519	127	14451	2551	135
40	85.5	23128	2489	112	21108	2600	121	18425	2663	129	16040	2707	138
45	94.3	25168	2601	114	23111	2732	123	20182	2809	132	17708	2864	140

60 Hz Performance

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling
Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

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Specifications/ Parts:

Model	AWA9514ZXNXE
Unit Bill of Material	2B3273-1
Nominal Volts-Hz-Ph	208-230-60-1
Refrigeration Range	-10° to 45°F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	180 to 254
Min. Circuit Ampacity	17.1
Max. Fuse Size (amps)	25
Compressor Model	AWA9512ZXN
Comp. Bill of Material	AW611FT-163-P4
Compressor RLA/LRA	12.4 / 60
Overload	INTERNAL
Relay	820ARR3J50
Run Capacitor	85PR370F17
Run Capacitor Rating	35MFD 370V(M) VDE
Start Capacitor	85PS330C24
Start Capacitor Rating	88-108 MFD 330V VDE
Contactor	N/A
Unit Drawing	DGU1918-73
Wiring Diagram	91267-01

Fan Motor	810-10012 (2)
Fan Motor RLA	0.8 Each
Fan Blade	515-10005 (2)
Fan Guard	570-10001 (2)
Fan Shroud	707-10001
Dual Pressure Control	14955206
Condenser	506-10007
Receiver Tank with Valve	510-10004
Liquid Filter	70081
Sight Glass	70084
Suction Valve	31529-1
Rotolock Valve Gasket	30233
Discharge Valve	56630-A
Suction Filter *	N/A
Accumulator *	N/A
Crankcase Heater	N/A
Defrost Timer *	N/A
* = Equipped Units Only	

Electrical Diagram